GO Corporation

PenPoint® Software Developer Resource List

The PenPoint Developer Resource List is brought to you by the Evangelism Department. We hope you will find it useful.

Extra copies of the Resource List are available from the Customer Services Department.

Please direct any questions, comments, additions, or deletions to this list to Ayse Aysoy via cc:Mail.

Thank you.

This is the first publication of the PenPoint Software Developer Resource List. This document details virtually every item that GO and related organizations can provide for developers.

The Resource List is organized by category of information (documentation, marketing, technical), with further sorting done by type (manual, book, reference card, etc.). The "Where to Get it" column is a concise description of the item's location or ordering information.

Any item with a part number assigned or with the words "Customer Service" in the "Where to Get it" column can be ordered by calling GO Customer Service at 415/358-2040 (or emailing `gocustomer@go.com`). Some items we must charge for, while others are provided free. If you're interested in the prices, note that GO's price list is available on CompuServe in the file `PRICES.LST`.

Which brings us to how to get things listed as being available on CompuServe. GO's CompuServe library is in library section 6 of the Pen Technology Forum (enter `GO GOCORP` or `GO PENFORUM` at any CompuServe prompt). To download these files you need an account on CompuServe, a CompuServe navigator or a communications software program with protocol file transfer capability. The files with a .ZIP extension are compressed to save you time and money while downloading: you need to use the `PKUNZIP` shareware program from PkWare Associates (also available on CompuServe, in the `IBMCOM` forum and other places) to "unzip" them.)

Some of GO's library files are later made available on other bulletin boards, including the WPDO bulletin board system (contact the WPDO, listed in this Resource List, or dial the BBS direct at 415/328-5204), and the Washington University of St. Louis Internet NFS/ftp archive `wuarchive.wustl.edu`. We do not list these as locations in the Resource List because we do not handle the uploads directly, and therefore cannot guarantee that every item will be available on these systems. Nevertheless, anything listed as being on CompuServe will often find its way quickly to WPDO BBS and `wuarchive`.

GO Developer Relations

PenPoint Software Developer Resource List

CATEGORY	TYPE	NAME	DESCRIPTION	WHERE TO GET IT:
Documentation	Book	*PenPoint Programming*, Andy Novobilski	A hands-on tutorial showing how to develop applications for PenPoint. Introduces PenPoint from a programmer's perspective and demonstrates how following PenPoint's predefined framework for applications building will result in software with standardized behavior, reusable system-level components, and greatly increased functionality. Published by Addison-Wesley. ISBN 0-201-60833-2.	• Some bookstores, not available directly from GO.
Documentation	Book	*Power of PenPoint*	Introduction to PenPoint written by Dan Shafer and Robert Carr. Published by Addison Wesley. ISBN# 0-201-57763-1.	• Customer Services, Part #043-00011 • Bookstores
Documentation	Index	Online SDK documentation and sample code indices	ASCII Master Index for Software Development Kit documentation, version 1.0.	• CompuServe
Documentation	Index	SDK Master Index	Paper version of online SDK Master Index.	• *Development Tools Manual, Application Writing Guide: Expanded Edition* for SDK 2.0 Japanese
Documentation	Manual	Extended Documentation Set	Complete set of developer documentation. Includes *Application Writing Guide, User Interface Design Reference, Architectural Reference Guide (Volume 1,2), PenPoint Development Tools, API Reference Manual (Volume 1,2).*	• Customer Services, Part #300-002
Documentation	Manual	*Getting Started*	User manual included in the SDK and also sold separately.	• SDK 1.0 • Customer Services, Part #045-200
Documentation	Manual	*PenPoint Application Programmatic Interface, Volumes I and II*	Indexed versions of the PenPoint header files. You can use the REFGEN tool on the Goodies disk (included in the SDK) to do a similar formatting of selected header files (or even your own header files). Published by Addison-Wesley, available in April '93. Volume I: ISBN 0-201-60862-6 Volume II: ISBN 0-201-60863-4	• SDK 1.0 • Bookstores only
Documentation	Manual	*PenPoint Application Writing Guide (1.0)*	A tutorial introduction to PenPoint programming included in SDK, Extended Documentation Set, and also sold separately.	• SDK 1.0 • Extended doc set • Customer Services, Part #045-206 • Some bookstores

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CATEGORY	TYPE	NAME	DESCRIPTION	WHERE TO GET IT:
Documentation	Manual	*PenPoint Application Writing Guide, Expanded Edition (2.0)*	Developer documentation included in SDK and Expanded Documentation Set (also sold separately). Expanded edition for 2.0 includes: *Application Writing Guide, 2.0, PenPoint Japanese Localization Handbook, Internationalization Handbook, Development Tools Supplement, Architectural Reference Supplement, UI Design Reference Supplement.* Published by Addison-Wesley. ISBN 0-201-60857-X	• SDK with extended documentation only • Customer Services, Part #045-00370 • Some bookstores
Documentation	Manual	*PenPoint Architectural Reference (2 volumes) (1.0)*	A conceptual reference to PenPoint's APIs. Included in SDK, Extended Documentation Set, and also sold separately. Published by Addison-Wesley. ISBN 0-201-60859-6 (volume 1), ISBN 0-201-60860-X (volume 2).	• SDK with extended documentation only • Customer Services, Part #045-208(v.1) Part #045-209(v.2) • Some bookstores
Documentation	Manual	*PenPoint Bridging Handbook*	Handbook for how to maintian a single code base that runs under PenPoint 1.01 and 2.0 Japanese.	• 2.0 Japanese SDK • Customer Services
Documentation	Manual	*PenPoint Development Tools (1.0)*	A guide to using tools included with the SDK to create PenPoint products. Covers debugging, DOS tools, configuring your development machine and other topics. Published by Addison-Wesley. ISBN 0-201-60861-8.	• SDK 1.0 • Customer Services, Part # 045-210 • Some bookstores
Documentation	Manual	SDK 2.0 Japanese Extended Document Set	Contains: *UI Design Reference, Architectural Reference Guide* (vol.1,2), *Application Writing Guide: Expanded Edition*, OMF Letter and Class Poster.	• Customer Services, Part #300-007
Documentation	Manual	User Documentation Set	End-User documentation includes *Using PenPoint, Using GOWrite v.2.0, Getting Started.* Only available in SDK, not sold separately.	• SDK 1.0 • Customer Services, Part #200-2003
Documentation	Manual	*User Interface Design Reference*	Published by Addison-Wesley, ISBN 0-201-60858-8.	• SDK 1.0 • Customer Services, Part #045-207 • Some bookstores
Documentation	Reference Card	Quick Reference Card	User documentation. Quick reference card for PenPoint gestures. Included in Extended Documentation and End-user Documentation, also sold separately.	• SDK 1.0 • Customer Services, Part #045-228
Documentation	Reference Poster	Class Poster	Developer documentation, poster of PenPoint's class hierarchy. Included in the Certified Developer Membership Kit, SDK, and also available separately.	• SDK 1.0 • Customer Services, Part #045-229

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CATEGORY	TYPE	NAME	DESCRIPTION	WHERE TO GET IT:
Documentation	Style Guide	*User Documentation Set*	Guide describing style conventions for documenting applications written for the PenPoint operating system, version 1.01.	• Customer Services
Documentation	Supplement	*PenPoint Architectural Reference Supplement for 2.0*	Supplemental information for PenPoint 2.0 Japanese. Available in the *Application Writing Guide, Expanded Edition.*	• SDK 2.0 • Customer Services • Some bookstores
Documentation	Supplement	*PenPoint Development Tools Supplement (2.0)*	Supplement for PenPoint 2.0 Japanese. Available in the *Application Writing Guide, Expanded Edition.*	• 2.0 Japanese SDK • Customer Services • Some bookstores
Documentation	Tech Note	Technical Note #01 - 08	Obsolete.	No longer available.
Documentation	Tech Note	Technical Note #09	"Faster Booting During Development."	• Customer Services
Documentation	Tech Note	Technical Note #10	"Application Framework Debugging Flags."	• Customer Services • CompuServe: `TN10.TXT`
Documentation	Tech Note	Technical Note #11	"Writing Portable PenPoint Applications."	• Customer Services
Documentation	Technical Paper	*Message Center*	Description of PenPoint's object-oriented messaging services.	• Customer Services, Part #015-055
Documentation	Technical Paper	*PenPoint Internationalization and Localization*	Overview of PenPoint internationalization and locatization process.	• Customer Services
Documentation	Technical Papers	*Technical Papers*	A collection of technical papers on PenPoint; operating system, development environment, communications capabilities, object-oriented programming, and handwriting recognition.	• Customer Services, Part #G130
Education	Education Centers	GO Authorized Education Centers	GO Authorized Education Centers are located in in the United Sates in California and Connecticut, and in Japan and Denmark.	• Contact Customer Services for more information.
Education	Information	Educational Services Offerings	GO Educational Services schedule of PenPoint courses.	• Customer Services • CompuServe: `COURSE.TXT`
Education	Seminar	PenPoint Technical Seminar	One-day overview of the PenPoint operating system. Recommended for developers, analysts, OEMs, and end-users.	• Customer Services
Education	Video	"PenPoint Interprocess Communication"	A 30-minute conceptual overview of how the PenPoint operating system provides system resources and programmatic support for interprocess communication. Available in NTSC and PAL format.	• Customer Services, Part #046-00100 (NTSC), Part #046-00101 (PAL)

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CATEGORY	TYPE	NAME	DESCRIPTION	WHERE TO GET IT:
Education	Workshop	CPI Specialist, Train-the-Trainer	Three-day course introduces students to GO and the design of the GO Authorized Education and Certified PenPoint Instructor programs.	• Contact the Educational Services Programs Coordinator at (415) 358-2069.
Education	Workshop	PenPoint Adaption Workshiop	2-day workshop presents a comprehensive overview of the machine-specific issues relevant to PenPoint. Students are taught the fundamental concepts and programming interfaces required to successfully adapt thePenPoint notebook environment to their own hardware. Prior attendance at a PenPoint Techncial Seminar or equivalent PenPoint experience is required.	• Customer Services
Education	Workshop	PenPoint Programming Workshop	4-day course designed to teach students how to write pen-based applications for PenPoint. All students should be experienced C programmers familiar with developing applications in the MS-DOS environment. Experience in programming object-oriented and event-driven window systems is strongly recommended.	• Customer Services
Education	Workshop	PenPoint Services Workshop	2-day lab-oriented workshop which presents a comprehensive overview of the functionality common to all PenPoint services. Students are taught fundamental concepts and programming interfaces required to successfully develop PenPoint services and the client software that uses them. Attendance at PenPoint Programming Workshop or equivalent experience is required.	• Customer Services
Marketing	Catalog	*PenPoint Products and Services Catalog, Spring 1992*	A catalog of available PenPoint products and services from GO and third parties.	• Customer Services, Part #015-00011
Marketing	Datasheet	GO Fax 1.0 datasheet	Overview of PenPoint fax application.	• Customer Services Part #015-056
Marketing	Datasheet	HDK Datasheet	General information about the PenPoint Hardware Development Kit for OEMs.	• Customer Services, Part # 015-00006
Marketing	Datasheet	Hobbit and Intel: Developing Applications	What to do to develop applications for PenPoint on the Intel 80386/80486 and AT&T Hobbit Architectures; similarities and differences between the two environments. Included in the Developer Info Kit, End-User Info Kit, and also available separately.	• Customer Services • CompuServe: `HOBDEV.ZIP`
Marketing	Datasheet	PenPoint Datasheet	Overview of PenPoint operating system. Included in General Information Kit , Evaluation Kit, Certified Developer Membership Kit, and also available separately.	• Customer Services, Part #015-00004

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CATEGORY	TYPE	NAME	DESCRIPTION	WHERE TO GET IT:
Marketing	Datasheet	SDK Datasheet	General description of the PenPoint Software Development Kit (SDK). Included in the General Information Kit, Evaluation Kit, Certified Developer Membership Kit, and also available separately.	• Customer Services, Part # 015-00005
Marketing	Information	*PenPoint Road Map*	PenPoint release road map. Future strategic directions and releases of the PenPoint operating system.	• CompuServe: ROADMP.TXT
Marketing	Information Service	AT&T Mail	GO's online information service for PenPoint users. Send e-mail to "gocustomer@go.com" to request an account.	• Customer Services
Marketing	Kit	Certified Developer Membership Kit	Sign-on kit for developers who join the Certified Developer Program. Includes introductory materials and video. Video available in NTSC and PAL format.	• Customer Services, Part #017-00004 (NTSC), #017-00005 (PAL)
Marketing	Kit	Developer Information Kit	Information about PenPoint, PenPoint SDK, Certified Developer Program, other developer services.	• Customer Services, Part #017-00001
Marketing	Kit	End-User Information Kit	An information kit designed to give end-users and overview of GO and PenPoint. Includes the GO Fax datasheet, Message Center technical paper, Hobbit information, "Hot Apps" flyer, hardware contacts list, price list.	• Customer Services, Part #015-026
Marketing	Kit	Evaluation Kit	Information for people who would like to learn more about PenPoint. Kit contains: The Developer's Information Kit, *A PenPoint Demonstration* (videotape), *The Power of PenPoint* book by Robert Carr and Dan Shafer, class reference poster, PenPoint datasheet, SDK datasheet. Available with NTSC or PAL version of videotape.	• Customer Services, Part #017-00002 (NTSC), #017-00003 (PAL)
Marketing	Kit	Strategic Partners Kit	Information for VARs and OEMs.	• Customer Services, Part #G016-003
Marketing	Newsletter	*PenPointers*	Monthly newsletter for PenPoint developers. Back issues available on CompuServe. *File format: Y = Year, NN = Month*	• Developer Program • CompuServe: *PPTYNN.TXT*
Marketing	Order Form	PenPoint Developer Products Order Form.	Online version of GO Customer Services Order Form. See also Price List	• Customer Services • CompuServe: ORDER.FRM
Marketing	Press Release	AT&T and GO	Announcement of GO and AT&T alliance.	• Customer Services, Part #015-031
Marketing	Press Release	EO	Information on the EO 440 and 880 pen computers which run PenPoint	• EO (1-800-458-0880) • CompuServe PREODS.TXT

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CATEGORY	TYPE	NAME	DESCRIPTION	WHERE TO GET IT:
Marketing	Press Release	GO Corporation Company Background Information	July 1992. Information on the market, the company, PenPoint, industry partners, management team.	• Customer Services • CompuServe: `PRCOBG.ZIP`
Marketing	Press Release	GO Message Center	Press release from GO Message Center and Letter Express announcement.	• CompuServe
Marketing	Press Release	OEM and ISV Support for Japanese PenPoint	September 1992. " Japanese version of PenPoint gains broad industry support from OEMs, ISVs, and SOFTBANK Technologies." Includes information on building products, selling Japanese application software, and Japanese language instruction in PenPoint programming.	• CompuServe: `PRJPN1.ZIP`
Marketing	Press Release	PenPoint 1.0 Launch Press Release	GO Corporation announces availability of PenPoint, industry-wide support for PenPoint, Custom Solutions Alliance, System Enabler Agreements for pen computing.	• CompuServe: `PRLAUN.ZIP`
Marketing	Price List	PenPoint Products	PenPoint developer products price list and order form.	• Customer Services • CompuServe: `PRICES.LST`, `ORDER.FRM`
Marketing	Video	Japanese Version of "A PenPoint Demonstration"	Japanese version of the PenPoint Demonstration video. Available in NTSC and PAL format.	• Customer Services, Part #045-082
Marketing	Video set	"A PenPoint Demonstration" and "Third Party Applications"	Set of two videos. Available in NTSC or PAL format. Also sold separately.	• Customer Services, Part #016-004 (NTSC), #016-007 (PAL)
Miscellaneous	Information	GO Job Openings	GO periodically posts job openings to CompuServe.	• CompuServe : *JOBS*
Technical	Compiler	WATCOM C 9.0/386 Compiler	WATCOM C9.0/386 compiler and documentation for PenPoint.	• Customer Services, Part #200-10009
Technical	Developer Organization	Wordwide PenPoint Developers Organization	The Worldwide PenPoint Developers Organization is a nonprofit organization, not affiliated with GO, dedicated to supporting PenPoint developers.	• Contact: David Schachter at (415) 328-7425 for more information.
Technical	Font	Gesture Font	Documentation and 3.5" diskette containing PenPoint Gesture Font. License Agreement required.	• Customer Services
Technical	Information	Compatible Machine List	List of PCs compatible with PenPoint SDK according to developer reports.	• Customer Services • CompuServe: `SDKPCS.TXT`

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CATEGORY	TYPE	NAME	DESCRIPTION	WHERE TO GET IT:
Technical	Information	Decoding, Debugging	Rough notes on decoding messages, status values and other tag format U32s, both in and out of PenPoint, plus how to get informative strings.	• CompuServe: `MSDCOD.TXT`
Technical	Information	File System Attributes on Documents and Applications	Information from GO Developer Technical Services team's knowledge base. Lists the common file system attributes that are stamped on installables (applications, services, fonts, etc.) and documents in PenPoint. Shows how they're created, how you see them in DOS, what they are, what they're for.	• CompuServe: `KBFSAT.TXT`
Technical	Information	Flags from msgWinDumpTree	Table of what the code msgWinDumpTree prints.	• CompuServe: `WINFLG.TXT`
Technical	Information	Markup using clsNotePaper	Early notes on markup plus other tips on using **clsNotePaper**; wet ink, dry ink, off modes.	• CompuServe: `MARKUP.TXT`
Technical	Information	PenPoint Consultants List, 1993	List of PenPoint consultants and the services they offer.	• CompuServe: `CONSUL.TXT`
Technical	Information	Printing from a PC or GO Computer	Rough note that covers issues relating to printing under PenPoint; cabling, software, services, bugs, hardware, null modems, etc.	• CompuServe: `PRINT.TXT`
Technical	Information	RTF Q&A	Items from GO Developer Technical Services team's knowledge base. **ClsText** and Quick Help's handling of RTF. Various items about fonts in RTF, what the \qh keyword does, how to change fonts in Quick Help.	• CompuServe: `RTF.Q&A`
Technical	Information	Running PenPoint SDK on Pen Computers	Items from GO Developer Technical Services team's knowledge base. Tips for needed changes in MIL.INI to turn DOS-compatible pen computer into a desktop machine running the PenPoint SDK.	• CompuServe: `KBPENC.TXT`
Technical	Information	Technical Bulletin #1	Items from GO Developer Technical Services team's knowledge base. Questions and answers, tips from Developer Technical Support Knowledge Base. Topics covered: windows, resources, option sheets, graphics, **msgSave**.	• CompuServe: `TB01.ZIP`
Technical	Information	Technical Bulletin #2	Items from GO Developer Technical Services team's knowledge base. Questions and answers, tips from Developer Technical Support Knowledge Base on Class Manager.	• CompuServe: `TB02.ZIP`
Technical	Information	Technical Bulletin #3	Items from GO Developer Technical Services team's knowledge base. Questions, answers, tips on the App Framework.	• CompuServe: `TB03.ZIP`

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CATEGORY	TYPE	NAME	DESCRIPTION	WHERE TO GET IT:
Technical	Information	UniPen Serial Point Device Language Notes	Tips on the language you use to inform the universal Serial Pen Drive (UniPen) in the PenPoint 1.01 MIL of the characteristics of various pointing devices.	• CompuServe: `UNIPEN.ZIP`
Technical	Information	Welcome to GO's Section on CompuServe	Items from GO Developer Technical Services team's knowledge base. Welcoming information for new developers and interested onlookers. Read this before you read and download everything else in GO's message and library sections.	• Compuserve: `WELCOM.TXT`
Technical	Information Service	CompuServe	Discussion and technical support for PenPoint developers takes place in GO's section of the Pen Technology Forum. Call one of the numbers below and ask for Representative #366 to request an account. • In the United States call (800)524-3388 • In the United Kingdom call (800) 289-378 • In Germany call 0130-37-32 • In the rest of Europe call 44-272-255-111 • Outside of the US, Canada, and Europe call (614)457-0802.	• CompuServe
Technical	Kit	SDK 1.01	Software Development Kit. Includes software and basic documentation. Does not include extended documentation for programmers, nor the WATCOM compiler.	• Customer Services Part #300-002
Technical	Kit	SDK 1.01 Developer's Bundle	Software Development Kit, Developer's Bundle. Includes software and extended documentation, and WATCOM 9.0 compiler.	• Customer Services, Part #300-003
Technical	Kit	SDK 2.0 Japanese	Contains: *End-user Release Notes, PenPoint SDK 2.0 Japanese Release Notes, Installing and Running PenPoint SDK 2.0, PenPoint Development Tools supplement, PenPoint Bridging Handbook, New UI Features in PenPoint*, registration card. Also contains: 15 SDK Software disks, SDK Patch disk, "Goodies" disk, Bridging Package disk, (in English). Japanese documentation: *Quick Reference Book, Kanjipen QRC, Getting Started, Using PenPoint.*	• Customer Services, Part #300-0006
Technical	Kit	SDK 2.0 Japanese Upgrade Kit	Contains all of the items in SDK 2.0 Japanese, plus: *WATCOM Library Reference Supplement for 2.0* and *Application Writing Guide: Expanded Edition.*	• Customer Services, Part #350-00004
Technical	Macro	BRIEF	A Brief macro written by a developer for stripping all comments and extra white space from a C header file.	• CompuServe: `BSTRIP.ZIP`

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CATEGORY	TYPE	NAME	DESCRIPTION	WHERE TO GET IT:
Technical	Patch	SDK Patch #2	Three files: SDKP2.ZIP contains a description of the fixes on the SDK Patch #2 for PenPoint 1.01 SDK Intel release, README.1ST explains what to do to download the patch, SDKP2D.ZIP has the disk images.	• CompuServe: `SDKP2.ZIP`, `README.1ST`, `SDKP2D.ZIP`
Technical	Reference	On-line reference tags	Header file document.	• CompuServe: `TAGS.ZIP`
Technical	Sample Code	adder	Adder (adder) simple pencentric calculator limited to addition and subtraction. User can write "4+5" and Adder will print "4+5=9" at the top of its window. In addition, Adder can handle slightly more complicated expressions such as "42 + -8 + 3 -2.5".	• SDK 1.0 • SDK 2.0 Japanese
Technical	Sample code	basicsvc	Basic Service (basicsvc) is the absolute minimum code required to implement a service. This is the "Hello World" for service writers. Basic Service handles only one message: msgNewDefaults. Modifying Basic Service will help to get your service up and running in the shortest possible time. For more complex services, see the TESTSVC and MILSVC samples.	• SDK 1.0 • SDK 2.0 Japanese
Technical	Sample Code	calc	The Calculator Application (calc) implements typical push-button calculator. This program is split into an application, which handles the user interface, and a calculator engine, which performs the computations.	• SDK 1.0 • SDK 2.0 Japanese
Technical	Sample code	clock	Clock (clock) is an application that serves two purposes; it is both a digital alarm clock distributed as part of PenPoint, and a sample application. The end-user can configure the clock's display by changing the placement of the time and date, and by specifying things like whether the time should include seconds.	• SDK 1.01 • SDK 2.0 Japanese
Technical	Sample Code	cntrapp	Counter Application (cntrapp) displays a number on the screen. Every time you turn to its page, Counter Application increments the number. It also lets you choose the format in which to display the number (decimal, octal, or hexadecimal).	• SDK 1.0 • SDK 2.0 Japanese
Technical	Sample Code	cntrsvc	Maintains a counter value that is updated by multiple clients concurrently. Also includes contrclt, a UI holder for the service's UI.	• CompuServe: `CNTSVC.ZIP`

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CATEGORY	TYPE	NAME	DESCRIPTION	WHERE TO GET IT:
Technical	Sample Code	emptyapp	Empty Application (emptyapp) is the simplest sample application distributed with the PenPoint Software Developer's Kit. The only behavior it adds to the default PenPoint application is to print out a debugging message when the application is destroyed.	• SDK 1.0 • SDK 2.0 Japanese
Technical	Sample Code	FPLOT	FPLOT is a multi-tasking example. The application plots mathematical functions to demonstrate various techniquest for inter-task communication, background processing.	• CompuServe: `FPLOT.ZIP`
Technical	Sample Code	hello	Hello World (custom window) demonstrates how to draw the string "Hello World" by directly using ImagePoint calls. To do so, it defines a descendant of clsWin. In its msgWinRepaint handler, the window determines the size of the string "Hello World" and then calls msgDcDrawText to actually paint the text. It also paints a large exclamation point after it, using ImagePoint's ability to draw bezier curves.	• SDK 1.0 • SDK 2.0 Japanese
Technical	Sample Code	hellotk	Hello Word (toolkit) uses clsLabel to display "Hello Word" in a window. The simplest way of doing this is to make a single label, which also serves as the window for the application. Since developers will typically want to display more than one toolkit class in a window, the sample also demonstrates how to create a layout object (a window with knowledge of how to layout toolkit objects) and a label which is inserted into the layout object.	• SDK 1.0 • SDK 2.0 Japanese
Technical	Sample Code	inputapp	Input App (inputapp) is a simple application that demonstrates pen-based input event handling. As the user drags the pen around, inputapp draws a small square in the window. To provide this functionality, it creates a descendant of clsWin (clsInWin), which looks for pen input events.	• SDK 1.0 • SDK 2.0 Japanese
Technical	Sample Code	Keisen	Keisen Table Application demonstrates the creation of a complex layout using TK Tables. ClsTableLayout (hence its subclass clsTkTable) positions items according to a grid, with rows and columns. However, Keisen tables do not have a uniform, global structure. The table is broken up into a column, eight row table, representing the horizontal lines across the whole table. Rows are nested horizontal tables, each cell representing a line that divides the row. This nesting continues until the nested table has only clsLabel descendants as its children.	• SDK 2.0 Japanese

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CATEGORY	TYPE	NAME	DESCRIPTION	WHERE TO GET IT:
Technical	Sample Code	lbdemo	List Box Demo (lbdemo) is yet another sample application meant to help developers learn how to use some of the features of PenPoint. This demo does not implement a whole application. Instead, it shows, in a clear way, how to organize and program an application incrementally. List Box Demo was the starting point for a richer sample application called Video Player (vidplay).	• SDK 2.0 Japanese • CompuServe: `LBDEMO.ZIP`
Technical	Sample Code	milsvc	MIL Service (milsvc) is a full implementation of a MIL (Machine Interface Layer) service. This MIL service implementation shows how a client will interface with the MIL service, how to create and use a ring 0 DLL to interface with a MIL device used, and how to perform connection detection. The MIL device used is the parallel printer MIL device. This sample code is a version of the pport MIL service code shipped with PenPoint.	• SDK 1.0 • SDK 2.0 Japanese
Technical	Sample Code	npapp	Notepaper App (npapp) is a simple note taking application. It relies on the Notepaper DLL for most of its functionality.	• SDK 1.0 • SDK 2.0 Japanese
Technical	Sample Code	paint	Paint (paint) is a simple painting application. The user can choose different nibs (square, circle, or italic) and different paint colors (white, light gray, dark gray, and black) with which to paint. The user can easily clear the window to start painting all over again.	• SDK 1.0 • SDK 2.0 Japanese
Technical	Sample Code	samplmon	This sample application shows how to implement a reasonably sophisticated application monitor. The monitor allows for installing & de-installing optional DLLs, selecting which stationery to load, and saving global options.	• SDK 2.0Japanese • CompuServe: `APPMON.ZIP`
Technical	Sample Code	sxdemo	Sxdemo demonstrates the use of simple serial I/O from within PenSerial input is read by a semaphore controlled subtask which places the received characters in a textview. The user enters output through an Insertion pad; the output is then sent by the main task.	• SDK 2.0 Japanese • CompuServe: `SXDEMO.ZIP`
Technical	Sample Code	templtap	As its name implies, Template Application (templtap) is a template, "cookie cutter" application. The Template App illustrates the default actions performed by the Application Framework. It handles many "typical" application messages, which makes it a good starting point for your own application.	• SDK 1.0 • SDK 2.0 Japanese

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CATEGORY	TYPE	NAME	DESCRIPTION	WHERE TO GET IT:
Technical	Sample Code	testsvc	Test Service (testsvc) is a starter kit for most service writers. It has message handler stubs for the most common service messages.	• SDK 1.0 • SDK 2.0 Japanese
Technical	Sample Code	tkdemo	Toolkit Demo (tkdemo) shows how to use many of the classes in PenPoint's UI Toolkit. Although it is not exhaustive, it does provide many examples of using the Toolkit's APIs and setting fields to get different functionality and visual effects.	• SDK 1.0 • SDK 2.0 Japanese
Technical	Sample Code	ttt	Tic-Tac-Toe (ttt) displays a tic-tac-toe board and lets the user enter Xs and Os on it. It is not a true computerized game– the user does not play tic-tac-toe against the computer. Instead, it assumes that there are two users who want to play the game against each other.	• SDK 1.0 • SDK 2.0 Japanese
Technical	Sample Code	UIComp	The UI Companion (UIComp) brings to life many of the diagrams in the *PenPoint User Interface Design Reference Manual*. These diagrams show the various components that you can use to build the user interface for your applications; buttons, lists, menus, pop-up lists, text fields an other controls. This sample application focuses specifically on some of the more challenging controls.	• SDK 2.0 Japanese • CompuServe: `UICOMP.ZIP`
Technical	Sample Code	vidplay	Video Player (vidplay)allows the user to control a video disk player and name sequences on a disk. The user controls the player by tapping on the play, fast forward, reverse, fast reverse, and stop buttons which appear along the bottom of the Video Player document. Video Player supports a UI with unlimited ***undo*** (hardcoded at 10), deals with the selection manager properly, and supports reference buttons.	• SDK 2.0 Japanese • CompuServe File: `VIDPLY.ZIP`
Technical	Sample Code	whileout	Mimics common office stationery, shows how to use several classes in PenPoint's UI Toolkit in process of generating its own display. Demonstrates custom layout, sub-classing the Toolkit, etc.	• CompuServe: `WYWO.ZIP`
Technical	Sample Code	writerap	Writerap provides a ruled sheet on which to write. When the user lifts the pen out of proximity, writerap translates what the user has written, and places the translated text on the line below the ink. The user can change the translation algorithm from word-based to text- or number-based.	• SDK 1.0 • SDK 2.0 Japanese

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CATEGORY	TYPE	NAME	DESCRIPTION	WHERE TO GET IT:
Technical	Script	AWK Script: Tags	A script to generate tags files for online lookup. Useful for merging tags for your own source code into PenPoint tags file. Tag lets you jump to a keyword in a file in most sophisticated editors. This script is unsupported. GO recommends *ramBook*, the online PenPoint documentation available from ramBook Publishing Inc., (604) 261-2069.	• CompuServe: `TAGGEN.ZIP`
Technical	Software	Bitmap Editor	Included in SDK, described in *PenPoint Development Tools.*	• SDK 1.0 • SDK 2.0 Japanese
Technical	Software	Bridging Package Software	Software and documentation (see PenPoint Bridging Handbook) included in SDK 2.0 Japanese (Part #300-0006). Helps developers maintain one source code version to be compiled for both 1.0 and 2.0.	• SDK 2.0 • CompuServe: `BRIDGE.ZIP`
Technical	Software	DOS directory tools	Included in SDK, described in *PenPoint Development Tools.*	• SDK 1.0 • SDK 2.0 Japanese
Technical	Survey	Developer Survey	Your chance to provide feedback on PenPoint and particularly on software development on PenPoint. Please e-mail responses directly to GO.	• CompuServe: `SURVEY.QS`
Technical	Utility	Disk Copier	Allows you to create floppy disks on a PC from a disk image file. You need this utility to create 3.5" floppy disks of some of the library files in GO's library. Use at your own risk-- read the disclaimer in README.TXT.	• CompuServe: `DSKFCP.ZIP`
Technical	Utility	DOS Reboot	A tiny program for developers who reboot DOS frequently to use different CONFIG.SYS settings.	• CompuServe: `REBOOT.COM`
Technical	Utility	PC Compatibility Test Disk	Boot disk. Tests whether a PC is capable of running the PenPoint 1.01 SDK. Program also determines whether stylus, mouse or digitizer is compatible. Available in two formats: 5.25" disk image (`PCTST5.ZIP`) 3.5" disk image(`PCTST3.ZIP`)	• SDK 1.0 • Customer Services • CompuServe: `PCTST5.ZIP`, `PCTST3.ZIP`

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CATEGORY	TYPE	NAME	DESCRIPTION	WHERE TO GET IT:
Technical	Utility	PCOPY	DOS directory tool. PCOPY recursively copies files and directories to other PenPoint directories, preserving PenPoint.DIR information. It replaces using XCOPY /S and the PAPPEND DOS file utility. This version works with PenPoint 1.01 , and comes with PenPoint SDK 2.0 Japanese. See also "DOS File System Utilities" in *PenPoint Development Tools* manual for other utilities.	• SDK 2.0 Japanese • CompuServe: `PCOPY.ZIP`